

FAYVUSHEVICH, Vladimir Mikhaylovich; KOVAL', Nikolay Andreyevich;  
VERETE, Arnold Grigor'yevich; LALAYEV, Georgiy Georgiyevich;  
KARANUSHKO, F.D., retsenzent; SHADRIN, Ye.V., retsenzent;  
LUBOCHKIN, B.I., red.; SANDLER, N.V., red.izd-va; KOTLYAKOVA,  
O.I., tekhn.red.

[Boiler operator's manual]Uchebnik kotel'nogo mashinista. Leningrad,  
Izd-vo "Morskoi transport," 1962. 505 p.

(Boilers, Marine—Handbooks, manuals, etc.) (MIRA 15:11)

LAZAREV, N.V., inzh.; KOVAL', N.G., inzh.

Mechanized manufacturing of reinforced concrete pipes. Avt.  
dor. 27 no.4:13-14 Ap '64. (MIRA 17:9)

KOWAL', N.G., inzh.; KUZHEL', S.I., inzh.

The SM-210K mill. Stroi. i dor. mash. 10 no.10:27-29 0 '65.  
(MIRA 18:10)

KOVAL', N.I., assistant

Regimens of active movements and methodology for exercise therapy following appendectomies, herniotomies and surgery of the stomach. Trudy Khar. med. inst. no. 50:359-368 '62.

(MTRA 19:1)

1. Kafedra gespital'noy khirurgii lechebnogo fakul'teta i kafedra fizicheskogo vospitaniya, lechebnoy fizkul'tury i vrachebnogo kontrolya (nauchnyye rukovoditeli - prof. T.I. Tikhonova i dotsent A.G. Essi-Ezing; konsul'tant - prof. A.Z. TSeytlin) Kharkovskogo meditsinskogo instituta.

BYCHKOVA, O.I., dotsent; KOVAL', N.I., assistant

Successive conditions in children formerly ill with lambliasis  
(vesicular and intestinal forms). Ped., akush. i gin. 23 no.3:  
25-27 '61. (MIRA 15:4)

1. Katedra prepedevtikii detskikh bolezney Stalinskogo meditsinskogo  
instituta (nauchnyy rukovoditel' - prof. M.B.Golomb [Holomb, M.B.]).  
Detskaya klinicheskaya bol'nitsa (glavnnyy vrach - N.P.Yukhno).  
(GIARDIASIS)

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82553

Author : Koval', N.M., Komarova, Ye.S., Nikolenko, V.G.

Inst : ~~Ukrainian Institute of Agricultural Science~~

Title : Characteristics of Agricultural Technique for Rkatsiteli Variety.

Orig Pub : Sadovodstvo vinogradarstvo i vinodeliye Moldavii, 1957,  
No 4, 35-38

Abstract : Cultivation of Rkatsiteli variety in Ukraine is possible only in regions more assured of warmth. Instability of fruit bearing in Rkatsiteli in Ukraine is connected first of all with its heightened sensitivity to the soil moisture and also with the comparatively slight resistance of its principal buds to the low winter temperatures and a considerable loss of them in individual years. As a rule, infertile and low-yield shoots develop from the replacement and dormant buds. Therefore, Rkatsiteli

Card 1/2

- 157 -

KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchnyy sotr.; BIRYUKOV, Yu.V., starshiy nauchnyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; BROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREMOM, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdel'vaniu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 1/1 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova).
2. Zakarpatskaya optychnaya stantsiya (for Shashkov).
3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozheyt, Kucharchuk).

(Ukraine—Viticulture)

KOVAL', Nikolay Mefodiyevich; KOMAROVA, Yelena Stepanovna;  
MART'YANOVA, Ol'ga Arkadiyevna; TSESHKOVSKIY, F.N.,  
red.; KALASHNIKOV, O.G., tekhn. red.

[Reference book for the viticulturist] Nastol'naia kniga  
vinogradarstva. Kiev, Gossel'khizdat USSR, 1963. 292 p.  
(MIRA 16:7)

1. Nauchnyye sotrudniki Ukrainskogo nauchno-issledovatel'-  
skogo instituta vinogradarstva i vinodeliya im. V.Ye.Tairova  
(for Koval', Komarova, Mart'yanova).  
(Ukraine—Viticulture)

KOVAL', N. N.

KOVAL', N. N. -- "The Role of Side Shoots in Increasing the Yield of Various Types of Grapes in the Southern Ukrainian SSR." Min Higher Education Ukrainian SSR. Odessa Agricultural Inst. Odessa, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

GOVAL ~~E~~, Nikolay Stephanovich

N/5

783.301

48

SISTEMO POKAZATELEY I OSNOVNYYE RAZDELY NARODNOKHOZYAYSTVENNOGO  
PLANA SSSR (INDEX SYSTEMS AND PRINCIPAL DIVISIONS OF THE NATIONAL ECONOMY  
DIVISIONS OF THE NATIONAL ECONOMY OF THE USSR) MASKVA, GOSPOLITZDAT, 1956  
94 p. BIBLIOGRAPHICAL FOOTNOTES.

TOCHI, Nikolay Stepanovich

KOVAL', Nikolay Stepanovich, kand.ekon.nauk, dots.; KRYLOV, P.N., dots.,  
kand.ekon.nauk, otvetstvennyy red.; KUBOVSKAYA, S.N., red.

[State planning for agricultural production in the Soviet Union;  
educational manual for correspondence students of the All-Union  
Correspondence Institute of Economics] Gosudarstvennoe planirovaniye  
sel'skokhoziaistvennogo proizvodstva v SSSR; uchebnoe posobie dlia  
studentov-zaochnikov VZI. Moscow, Vses. zaochnyi ekon. in-t,  
1957. 70 p.  
(Agricultural policy)

(MIRA 11:3)

Koval', N. S.

AUTHOR Koval', N. S. 103-10-10/10  
TITLE Seminar of Engineering Utilization of Mathematical Logic.  
(1955-1957)  
(Seminar po tekhnicheskim prilozheniyam matematicheskoy  
logiki. 1955-1957 gg.)  
PERIODICAL Avtomatika i Telemekhanika, 1957, Vol. 18, Nr 10,  
pp. 950-952 (USSR)  
ABSTRACT Due to Prof. S.A. Yanovskaya's initiative a permanent  
seminar on engineering utilization of mathematical logic  
was introduced at the Moscow State University. The chairman  
of this seminar is V.I. Shestakov, lecturer of the Faculty  
of Physics. From 1955-57 mainly problems concerning the  
analysis and the synthesis of the design of relay schemes  
with and without contacts were discussed. 45 meetings  
with 37 lectures took place: G.N. Povarov "Systematology  
of the Bul-functions", and Method for the Synthesis of  
Contact Schemes with one input and k-outputs";  
V.N. Roginskii" Graphic Method for the Synthesis of  
Contact Multipoles"; Gr.K. Moisil (Roumania) reported  
on the investigations of roumanian scientists in the  
field of the theory of the relay scheme. A.N. Yurasov  
and T.L. Maystrova delivered lectures on "The Methods  
of the Synthesis of Contact Schemes".  
CARD 1/2

STREL'CHENKO, T.I.; KOVAL', N.V. [Koval', I.V.]

Deviations in the structure of barley flowers. Ukr. bot. zhur. 20 no. 5:93-95 '63. (MIRA 17:5)

1. Chernovitskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.

SPIVAK, M.S., golovnyy redaktor; BILOZUB, V.G., redaktor; VASILENKO, P.M., redaktor; ZORIN, I.G., redaktor; IL'CHENKO, I.K., redaktor; KOVAL', O.G., redaktor; KRILOV, O.F., redaktor; PUKHAL'S'KIY, A.V., redaktor; SIDORENKO, O.P., redaktor; FEDECHENKO, O.N., redaktor; ANGELINA, P.M., redaktor; BUZANOV, I.F., redaktor; BOYKO, D.V., redaktor; BURKATS'KA, G.E., redaktor; VASILENKO, A.O., redaktor; VLASYUK, P.A., redaktor; GORODNIY, M.G., redaktor; DEMIDENKO, T.T., redaktor; DUBKOVETS'KIY, F.I., redaktor; KIRICHENKO, F.G., redaktor; LITOVCHENKO, G.P., redaktor; OZERNIY, M.O., redaktor; PERSHIN, P.M., redaktor; POPOV, F.A., redaktor; POSMITNIY, M.O., redaktor; PSHENICHNIY, P.D., redaktor; RADCHENKO, B.P., redaktor; POMANENKO, S.S., redaktor; RUBIN, S.S., redaktor; SAVCHENKO, M.Kh., redaktor; SOKOLOVS'KIY, O.N., redaktor; TSIBENKO, K.O., redaktor; SHCHERBINA, O.P., redaktor; KRAVCHENKO, M.F., tekhnichniy redaktor

[Collective farm encyclopedia] Kolhospna vyrobnycha ensyklopediia. Vydr. 2-e, perer. i dop. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Vol.1. Abrykos - Liutserna. 1956. 756 p. (MIRA 9:9)  
(Agriculture--Encyclopedias and dictionaries)

KOVAL', P.; PYATKOVSKIY, A.

Prestressed wall slabs. Prom.stroi, 1 inzh. soor. 4 no.4:  
11-13 Jl.-Ag '62. (MIRA 15:9)

1. Upravlyayushchiy trestom "Kommunarskstroy" (for Koval').
2. Glavnyy tekhnolog tresta "Kommunarskstroy" (for Pyatkovskiy).  
(Prestressed concrete construction) (Concrete walls)

KOVAL, Pal

Miskolc, the second city of Hungary, Borsod szemle 5 no.5:  
499-505 '61.

REVAL

P. &gt;

Biological changes in the process of stratification. Z. S. Gemberovich, S. S. Sorokova. Uchenye Zapiski Kirovograd. Univ. Trudy Biol. Fakulteta, No. 3, 1954, No. 19. No. 3, 179-184. - Stratification of seeds in a series of lignous species reveals a increased amount of moisture and water of fat and starch as compared with the seeds of (birch, maple) in the seeds germinating relatively less readily (oak). H. Wierbicki... (2)

KOVAL', P.I.; REVA, V.Z.; DZMIT, K.I.; PYATKOVSKIY, A.G.; LICHAK, G.K.

Rapid construction of a blast furnace at the Voroshilov Plant.  
From. stroi. 39 no.9:34-38 '6r.' (MIRA 14:10)

1. Trest Voroshilovstroy.  
(Voroshilovsk--Blast furnaces)



|  |   |
|--|---|
| (A) $\lim_{x \rightarrow 0^+} f(x) = \infty$ | Consequently, $\lim_{x \rightarrow 0^+} f(x) = \infty$ .<br>Therefore, $\lim_{x \rightarrow 0^+} f(x) = \infty$ . |
| (B) $\lim_{x \rightarrow 0^+} f(x) = 0$      | Consequently, $\lim_{x \rightarrow 0^+} f(x) = 0$ .<br>Therefore, $\lim_{x \rightarrow 0^+} f(x) = 0$ .           |
| (C) $\lim_{x \rightarrow 0^+} f(x) = 1$      | Consequently, $\lim_{x \rightarrow 0^+} f(x) = 1$ .<br>Therefore, $\lim_{x \rightarrow 0^+} f(x) = 1$ .           |
| (D) $\lim_{x \rightarrow 0^+} f(x) = \infty$ | Consequently, $\lim_{x \rightarrow 0^+} f(x) = \infty$ .<br>Therefore, $\lim_{x \rightarrow 0^+} f(x) = \infty$ . |
| (E) $\lim_{x \rightarrow 0^+} f(x) = 2$      | Consequently, $\lim_{x \rightarrow 0^+} f(x) = 2$ .<br>Therefore, $\lim_{x \rightarrow 0^+} f(x) = 2$ .           |

APPROVED FOR RELEASE: 06/14/2000

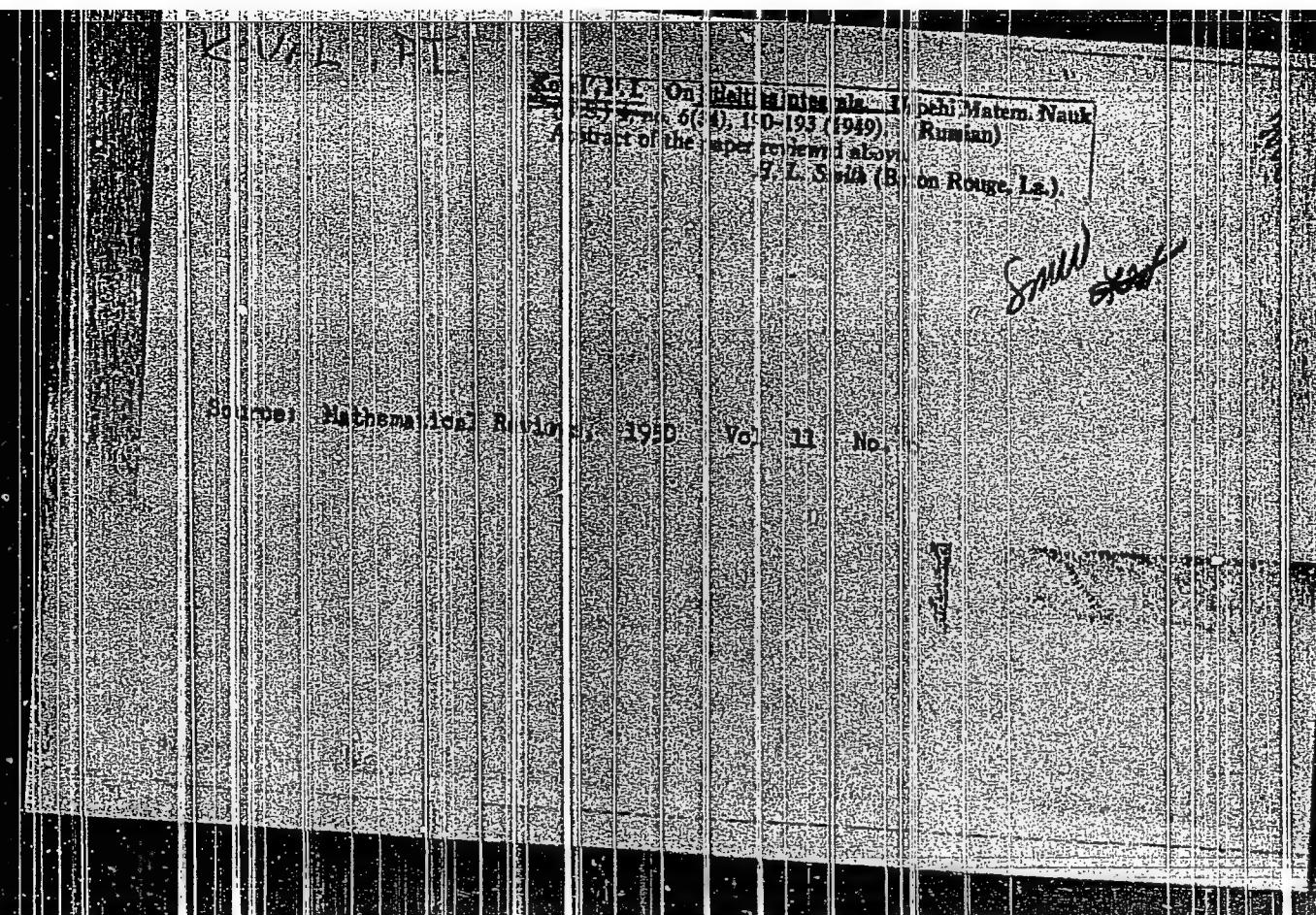
CIA-RDP86-00513R000825510015-4"

KOVAL', P.I.

Simplifying the numerical solution of Dirichlet's problem for  
Laplace's equation. Nauk. sp. Akad. Nauk. SSSR. 7 no.4:189-195 '48.

(Harmonic Functions)

(MLRA 10:5)



Koval', P.I.

One class of infinite systems of linear algebraic equations.  
Nauk. zap. Kiev. un. 9 no. 9:135-138 '50.  
(Linear equations) (MLRA 9:10)

KOVAL' P.I.  
D'YACHENKO, V.Ye.; KOVAL', P.I.

Solution of the partial differential equation of the second order and  
elliptic type by means of the nonuniform method of meshes. Nauk. zap.  
Kiev. un. 11 no. 7:5-16 '52. (MLRA 9:10)  
(Differential equations, Partial) (Electromechanical analogies)

KOVAL', P. I.

Stability of solutions for difference equation systems. Dokl. AN  
SSSR 103 no.4:549-551 1955.  
(MIRA 8:11)

1. Kiyevskiy gosudarstvennyy pedagogicheskiy institut imeni A.M.  
A.M.Gor'kogo. Predstavлено akademikom S.L.Sobolevym  
(Difference equations)

KOVAL', P.I.

Stability of solutions of simultaneous linear difference  
equations [with summary in French]. Ukr.mat.zshur. 9  
no.2:141-154 '57.

(Difference equations)

(MIRA 10:7)

KOVAL', P. I.

AUTHOR:

KOVAL', P. I.

TITLE:

Reducible Systems of Difference Equations and the Stability  
of Their Solutions (Privodimye sistemy raznostnykh uravneniy i  
ustoychivost'ikh resheniy)

42-6-6/17

PERIODICAL: Uspechi Matematicheskikh Nauk, 1957, Vol. 12, Nr. 6, pp. 143-146 (USSR)  
ABSTRACT: The author considers a finite system of linear difference  
equations of first order

(1)

$$x_{s+1} = A_s x_s + a_s \quad (s=0, 1, 2, \dots),$$

where  $\{x_s\}$  is the sought vector sequence,  $\{A_s\}$  is the given  
bounded sequence of nonsingular matrices and  $\{a_s\}$  is a given  
bounded sequence of vectors. By a linear transformation  $x_s = T_s y_s$ ,  
(1) changes to

$$y_{s+1} = B_s y_s + b_s.$$

(1) is called reducible if there exists a matrix  $T_s$  being  
bounded together with  $T_s^{-1}$  (independent of  $s$ ) such that  $B_s$  is a  
constant matrix. (1) is called almost-irreducible if  $B_s$  has a

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Reducible Systems of Difference Equations and the Stability of Their  
Solutions 42-6-6/17

limit value as  $s \rightarrow \infty$ .

Theorem: A system (1) with periodic coefficients is reducible.

Theorem: If  $A_s = R_s + Q_s$ , where  $R_s$  is periodic while  $Q_s$  tends to the zero matrix as  $s \rightarrow \infty$ , then (1) is almost-irreducible.

Finally the author gives considerations of stability on some special examples of reducible systems.

3 Soviet and 1 foreign references are quoted.

SUBMITTED: August 9, 1956  
AVAILABLE: Library of Congress

Card 2/2

KOVAL, P.I.

AUTHOR

KOVAL, P.I.

20-5-9/60

TITLE

On the Asymptotic Behavior of the Solutions of Linear  
Difference Equations and Linear Differential Equations.  
(Ob asimptoticheskem povedenii resheniy lineynykh raz-  
nostnykh i differentials'nykh uravneniy.- Russian)  
Doklady Akademii Nauk SSSR 1957, Vol 114, Nr 5,  
pp 949 -952 (USSR)

PERIODICAL

ABSTRACT

The present paper discusses the method of the reduction  
of a system of linear difference equations (differential  
equations) to the 1-diagonal (L-diagonal) form with the  
help of which a more extended class of functions can be  
included than in the case of the respective previous  
papers cited here. The author here investigates in detail  
the application of this method to the investigations of  
the asymptotic behavior of solutions of the difference  
equations and the differential equations of second order.  
At first the author investigates the system of the linear  
difference equations  $x(s+1) = A(s)x(s)$  ( $s = s_0, s_0+1\dots$ )  
The matrix  $A(s)$  of this system begins with a sufficiently  
high value of  $s$  and has no multiple eigen numbers. The  
author then undertakes a linear substitution on this  
system. A theorem is given and then used for the investi-  
gation of the asymptotic behavior of the solutions of a

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20-5-9/60

On the Asymptotic Behavior of the Solutions of Linear  
Difference Equations and Linear Differential Equations.

linear difference equation of second order.  
The difference equation of second order

$$\Delta^2 z(s) = z(s+2) - 2z(s+1) + z(s) = a^2(s)z(s)$$

by the substitution  $z = x_1$ ,  $\Delta z = z(s+1) - z(s) = x_2$   
is reduced to the system

$$x(s+1) = A(s)x(s), \quad A(s) = \begin{bmatrix} 1 & 1 \\ a^2(s) & 1 \end{bmatrix}$$

This system is not 1-diagonal. The author shows that in  
many cases it may be reduced to an 1-diagonal form.  
(The conception "1-diagonal" was introduced in a previous  
paper. Connected theorems and examples are given.  
In conclusion the results obtained are transferred to  
differential equations. The author here applies a derived  
theorem for the investigations of the asymptotic behavior  
of the solutions of a linear differential equation of  
second order. (No Illustrations)

CARD 2/3

IVANOV, N.I., prof., YEGOROV, G.P., KOVAL', P.I., GAVRISH, I.A. (Leningrad)

Clinical aspects of oleogramulomas caused by injections of cod-liver oil. Vrach.čelo no.3:297 Mr'58 (MIRA 11:5)

1. Kafedra kozhnykh i venerisheskikh bolezney (nach. - prof. polkovnik meditsinskoy sluzhby S.Ye. Gorbovitskiy) Voyenno-meditsinskoy akademii im. Kirova.  
(COD--LIVER OIL)  
(TUMORS)

K, V A L L R

## PAGE 1 BOOK EXPLOITATION

SER/2650

16(1) *Vsesoyuznyi matematicheskiy s'ezd.* 3rd, Moscow, 1956  
 Trudy, t. 4. Matematicheskiye soderzhaniiye sektsii sotsialnoy dokladov. Doklad  
 sotsialnoy i tekhnicheskoy iuchinyayushchiy sektsii 3rd All-Union Mathe-  
 matical Conference (Transactions of the 3rd All-Union Mathematical  
 Conference in Moscow, vol. 4: Summary of Sects. on Mathematical Reports,  
 217 p., 2,200 copies printed. Moscow, Izd-vo Akad. Nauk SSSR, 1959.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Auth.: Ed. G.N. Shevchenko; Editorial Board: A.A. Abramov, V.G.  
 Bolyanskiy, A.M. Vasil'ev, B.V. Medvedev, A.D. Myshkis, S.M.  
 Piltchikov, A.G. Postnikov, Yu. V. Prokhorov, N.N.  
 Semyonov, Yu. V. Trifanov, V.A. Uspenskiy, N.G. Chetayev, G. Ye.  
 Shirokov, and A.P. Shirshov.

Purpose: This book is intended for mathematicians and physicists.

This book is Volume 77 of the *Transactions of the Third All-Union Mathematical Conference*, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the texts of reports submitted by non-Soviet scientists. In those cases when the editor of the paper did not submit a copy of his paper to the editor of the volume, a copy of his paper was submitted to the editor of the volume. The paper was printed in the same form as the previous book. Some changes are made to the appropriate volume. The papers, which cover various topics in number theory, functional differential and integral equations, function theory, problems of mechanics, probability theory, topology, mathematical logic and physics, computational mathematics, history of mathematics, and the foundations of mathematics, and the

Abstract: I.Va. (Alma-Ata), Application of matrix analysis to the problem of mechanism of mechanical processes 92  
 B. I. Sklyanin, (Moscow), Korolev (Moscow), I. S. Pulinin (Moscow), D. Yu. Panov (Moscow), and S. M. Razumovskiy (Moscow), Automatic translation of one language into another on an electronic computer 93

Z. A. Tikhonov, (Leningrad), On the approximate solution of boundary value problems for equations of elliptic type by the method of reduction to ordinary differential equations by the P. I. Tikhonov, (Leningrad), On the theory of operational calculus for functions defined everywhere on a straight line 94  
 P. I. Tikhonov, (Leningrad), A posteriori evaluation of error in the finite difference method for ordinary differential equations 94  
 K. A. Kostal, (Kiev), Reducible systems of difference equations and the stability of their solutions 96

Card 18/ 31

-16(1)

AUTHOR:

Koval', P.I.

TITLE:

Asymptotic Behavior of the Solutions of Almost Triangular Systems of Linear Difference- and Differential Equations  
(Asimptoticheskiye povedeniye resheniy pochti treugol'nykh sistem lineynykh raznostnykh i differentials'nykh uravneniy)

SOV/20-124-6-6/5

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 6, pp 1203-1206 (USSR)

ABSTRACT: Besides the triangular system of difference equations

$$(1) \quad Y_{s+1} = R_s Y_s \quad (s \geq s_0),$$

where  $Y_s$  is the sought triangular matrix and  $R_s$  a given one, the author considers almost triangular systems

$$(2) \quad X_{s+1} = (R_s + C_s) X_s,$$

where  $C_s$  is not triangular, and more general systems.

Necessary and sufficient conditions in terms of  $R_s$  and  $C_s$  are given in order that the solution of (2) be asymptotically equal to that one of (1). The author proposes linear substitutions with which systems of rather general form can

Card 1/2

Asymptotic Behavior of the Solutions of Almost  
Triangular Systems of Linear Difference- and Differential Equations

SOV/20-124-6-6/55

be brought into an almost triangular form. The results are transferred to differential equations. Altogether there are given four longer theorems and some examples. The author refers to the book of Rappoport Ref 7.

There are 3 references, 2 of which are Soviet, and 1 American.

ASSOCIATION: Kiyevskiy gosudarstvennyy pedagogicheskiy institut imeni A.M. Gor'kogo (Kiyev State Pedagogical Institute imeni A.M. Gor'kogo)

PRESENTED: October 8, 1958, by S.L. Sobolev, Academician

SUBMITTED: October 8, 1958

Card 2/2

16 3900

37599

AUTHOR: Koval', P. I.

S/044/62/000/004/036/099  
C111/C333

TITLE: On the asymptotic behavior of the solutions of linear systems of difference equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 4, 1962, 43-44,  
abstract 43189. ("Funktional'n. analiz i yego primeneniye".  
Baku, AN Azerb SSR, 1961, 131-142)TEXT: In the first part of the paper the author considers the  
triangular matrix-difference equation

$$Y_{s+1} = R_s Y_s \quad (s \geq s_0), \quad Y_{s_0} = E, \quad (1)$$

where  $Y_s = \begin{bmatrix} y_{ijs} \end{bmatrix}_1^n$  is the sought matrix,  $E$  the unit matrix and $R_s = \begin{bmatrix} r_{ijs} \end{bmatrix}_1^n$  ( $r_{ijs} = 0$  for  $j > i$ ) a given non-singular matrix. Along  
with equation (1) the almost triangular matrix-difference equation

$$X_{s+1} = (R_s + C_s) X_s \quad (s \geq s_0), \quad X_{s_0} = E \quad (2)$$

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On the asymptotic behavior of the ...

S/044/62/000/004/036/099  
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is considered, in which  $X_s = \left\| x_{ijs} \right\|_1^n$  is the sought matrix,  $R_s$  the given matrix of equation (1) and  $C_s = \left\| c_{ijs} \right\|_1^n$  a given matrix which is small in a certain sense compared with the matrix  $R_s$ . It is assumed that the diagonal elements of the matrix  $R_s$  starting with a certain value  $s_0 \geq s_0$  satisfy the condition

$$\text{either } \left| \frac{r_{iis}}{r_{jjs}} \right| \leq 1, \quad \text{or } \left| \frac{r_{iis}}{r_{jjs}} \right| \geq 1 \quad (3)$$

$(i \geq j = 1, \dots, n; s \geq s_0 \geq s_0)$

Theorem 1: If in (2) the diagonal elements of  $R$  satisfy the condition (3), and if certain restrictions relative to the elements of the matrix  $C_s$  are satisfied, then for the almost triangular matrix-difference

Card 2/4

On the asymptotic behavior of the ...  
equation (2) there exists a solution

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C111/C333

$$X_s = Y_s + H_s F_s \quad (s \geq s_0), \quad H_{s_0} = 0 \quad (4)$$

( $F_s$  is the non-singular diagonal matrix consisting of the diagonal elements of  $Y_s$ , which is asymptotically equal to one of the solutions of the corresponding equation (1). In this solution (4) the matrix  $H_s$  tends to zero for  $s \rightarrow \infty$ , where for  $H_s$  there holds a representation as an absolutely and uniformly convergent series.

In the second part of the paper the author considers the matrix-difference equation

$$Z_{s+1} = (A_s + P_s) Z_s \quad (s \geq s_0) \quad (5)$$

where  $Z_s = \left\| z_{ijs} \right\|_1^n$  is the sought matrix, while  $A_s$  and  $P_s$  are matrices

Card 3/4

On the asymptotic behavior of the ...  
of the same order.

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Theorem 2: If the matrices  $A_s$  and  $P_s$  satisfy certain conditions in (5),  
then (5) can be brought with the aid of a linear transformation  
 $Z_s = B_s X_s$ , to the almost triangular form and then the solution is

$$Z_s = B_s [Y_s + H_s F_s] = B_s [Y_s + O(1) F_s] \sim B_s Y_s, \quad (6)$$

where  $Y_s$  is the solution of the equation  $Y_{s+1} = J_s Y_s$  ( $s > s_0$ ),  $Y_{s_0} = E$ ,  
 $B_s$  the fundamental matrix for the matrix  $A_s$ , and  $J_s$  the lower Jordan form  
of the matrix  $A_s$ ;  $F_s$  is the diagonal matrix consisting of the diagonal  
elements of the matrix  $Y_s$ . It is  $H_s \rightarrow 0$  for  $s \rightarrow \infty$ . Bibliography with  
3 titles.

[Abstracter's note: Complete translation.]

Card 4/4

KOWAL', P.I.; PYATKOVSKIY, I.G.

Precast reinforced concrete in the construction of a ferroalloy  
plant. From. strol. 42 no.10 8-11 0 '64. (MIRA 17-11)

1. Trest Kommunarskstroy.

ALIKAYEV, V.A.; TARANENKO, I.L., veterinarnyy vrach; NIKOLAYEV, P.Ya., veterinarnyy vrach; MIKHAYLETS, R.M., veterinarnyy vrach; ARTEMENKO, I.A., veterinarnyy fel'dsher; MOSKALENKO, A.N., veterinarnyy fel'disher; AL'BERTYAN, M.P., veterinarnyy vrach; SKARBOVENKO, V.I., veterinarnyy vrach; MOROZOV, A.I., veterinarnyy fel'dsher; VESNCHIVAYLOV, V.T., veterinarnyy vrach; LUZHENKO, I.U., veterinarnyy fel'disher; RUDOMETKIN, Ya.L., veterinarnyy vrach; PARSHUTKIN, I.M., veterinarnyy vrach; GOLOVANOVA, A.I., veterinarnyy vrach; SHIPILOVA, N.M., veterinarnyy vrach; SPIROV, V.D., veterinarnyy vrach; BONDARENKO, V.N., veterinarnyy vrach; KOVAL', P.K., veterinarnyy fel'dsher; ZHAMSUYEV, B.TS., veterinarnyy vrach; APALEV, Ye.M., veterinarnyy vrach; KOLOTIY, N.A., veterinarnyy vrach

Diseases of the young animal, their prevention and treatment;  
based on data received by the editors. Veterinariia 39 no.1:49-54  
Ja '62. (MIRA 15:2)

1. Besedinskaya rayonnaya veterinarnaya lechebnitsa, Kurskoy oblasti (for Taranenko).
2. Bo'she-Sosnovskaya rayonnaya lechebnitsa, Parmskoy oblasti (for Nikolayev).
3. Aleksandrovskiy veterinarnyy uchastok, Voznesenskogo rayona, Nikolayevskoy oblasti, Ukrainskoy SSR (for Mikhaylets, Artemenko, Moskalenko).
4. Kolkhoz "40 let Oktyahrya", Tarliyskogo rayona, Moldavskoy SSR (for Al'bertyan).

(Continued on next card)

GENEL', S. V.; KOVAL', P. M.; NIKITINA, T. A.

Looms

Pasting a fibrous cover on shuttle; Tekst. prom. no. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED

1. 41110-66 EWT(1)/EWT(n)/FFD/EEG(k)-2/EWP(k)/T/EWP(s) IJP(c) WG/WH  
ACC NR: AP6025955 SOURCE CODE: UR/0051/66/021/001/0076/0031

AUTHOR: Lisitsa, M. P.; Kulish, N. R.; Yaremko, A. M.; Koval', P. M.; Geyets, V. I.  
ORG: none

TITLE: Study of the emission characteristics of a ruby laser

55  
54  
B

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 76-81

TOPIC TAGS: ruby laser, laser resonator, optic pumping, laser emission

ABSTRACT: In a theoretical and experimental study of the effect of the size of a laser resonator with plane and confocal mirrors on the emission parameters, the dependence of the threshold pumping energy, divergence angle, and output power on the length of the resonator was determined. The results of the calculations are shown in Fig. 1. Fig. 2 shows the corresponding experimental curves. The experimental part of the study was carried out on a ruby laser with external dielectric mirrors at room temperature. The length of the resonator ranged from 0.8 to 3.5 m. The variation in the energy emitted by the laser with changing angle of the interferometric mirrors was determined; the observed decrease in output energy with increasing resonator length may be due to a decrease in the working part of the active material caused by a narrowing of the coherent beam, and, like the other laser parameters studied, is determined by the multimode character of the resonator. In conclusion, authors thank V. V.

Card 1/2

UDC: 621.375.9:535:553.824

L 4111.0-66  
ACC NR: AP6025955

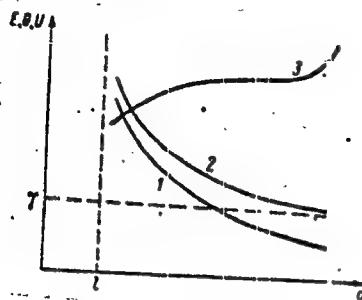


Fig. 1. Theoretical curves of the dependence of laser-emitted energy (1), divergence angle (2), and threshold pumping energy (3) on the resonator length.

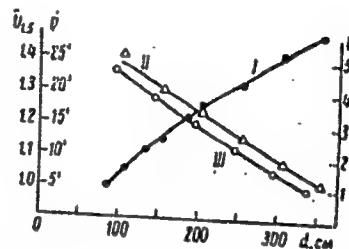


Fig. 2. Experimental curves of the dependence of threshold pumping energy (I), divergence angle (II), and laser-emitted energy (III) on the resonator length.

Andryushchenko for preparing the multilayer dielectric mirrors. Orig. art. has: 4 [27]

SUB CODE: 20/ SUBM DATE: 19Nov64/ ORIG REF: 004/ OTH REF: 006/ ATD PRESS:

5054

Card 2/2 1a

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| L 267/24-66  | FED/ENT(1)/EWP(e)/ENT(m)/EEC(k)-2/T/EWP(k)/ENA(h) | IJP(c) WG/WH |
| ACC NR: AF6011572  | SOURCE CODE: UR/0051/66/020/003/0508/0510         |              |
| AUTHOR: Lisitsa, M. P.; Kulish, I. R.; Geyets, V. I.; Koval', P. N.  | 5/13  |              |
| ORG: none  |   |              |
| TITLE: <u>Laser Q-switching with KS-19 filters</u>   |   |              |
| SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 508-510   |   |              |
| TOPIC TAGS: ruby laser, giant pulse laser, laser r and d, Q switching, passive switching, optic filter/KS 19 filter  |   |              |
| <p>ABSTRACT: In view of the fact that Q-switching by spectrally absorbing filters with reversible bleaching is much simpler than electro-optical or rotating Q-switching devices, the authors investigated the influence of transparency of KS-19 filters on the amplitude of the peaks of the output emission and their numbers in a ruby laser (120 mm long, 12 mm diameter, <math>\text{Cr}_2\text{O}_3</math> concentration 0.05 wt.%). The Q-switching was produced with the aid of five glass filters cut from a single block, having different transmissions in the region of the operating wavelength of the laser. Introduction of the filter into the laser resonator increased the lasing threshold by an average of 12% (over the nominal value 1.65 kJ). At a definite laser emission density, the filter became bleached and the energy stored by the excited chromium ion was emitted in the form of a giant pulse consisting of several spikes whose number increases with increasing pump energy and whose amplitude exhibits saturation. At maximum pump energy (double the threshold value), the amplitude of the giant peaks was ~40 times</p> |   |              |
| Card 1/2   | UDC: 621.375.9: 535                               |              |

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ACC NR: 11P6011572

larger than the amplitude of the ordinary lasing spikes under similar conditions. Increasing the reflection coefficient of the mirrors increased the output peaks and eliminated some of the saturation. An increase in the optical density of the filter first increases the spike amplitude, but subsequently results in a decrease, for at large optical density the number of photons necessary to bleach the filter increases. Orig. art. has: 4 figures.

[02]

SUB CODE: 20/ SUBM DATE: 12Jul65/ ORIG REF: 003/ OTH REF: 012/ATD PRESS:  
4258

Card 2/25/

Koval', P. N.

Dissertation: "Some Questions of the Use of Electromagnetic Drive in Dynamic Angle-Cutting Planes." Cand Tech Sci, Moscow Mining Inst imeni I. V. Stalin, 20 May 54. Vechernaya Moskva, Moscow, 11 May 54.

SO: SUM 284, 26 Nov 1954

KOVAL' P.V.

KOVAL', P.V., kand.tekhn.nauk.

Experimental determination of speed and acceleration of  
the striker. Nauch.trudy MGU no.15:139-149 '55. (MIRA 10:10)  
(Mechanics, Analytic)  
(Coal mining machinery--Testing)

ONISHCHENKO, Pavel Nikiforovich; KOVALEV, P.V., otvetsstvennyy redaktor;  
SAVIN, M.M., redaktor izdatel'stva; PROZHOROVSKAYA, V.L., tekhnicheskiy redaktor

[Mining machinery] Gornoproykhozheskie mashiny i mekhanizmy.  
Moskva, Ugletekhnidat, 1956. 222 p. (MIRA 10:2)  
(Coal mining machinery)

KOVAL', P.V., kand.tekhn.nauk

Electromagnetic machine feeding. Nauch.trudy MGU no.17:265-274 '56  
(MIRA 10:11)  
(Magnetolectric machines)

KOVAL', P.V.

Electromagnetic drive for impact coal plows. Nauch. trudy  
MGI no. 21:187-200 '57. (MIREA 11:9)  
(Coal mining machinery--Electric driving)

ZIMSKOV, V.D.; KOVAL', P.V.

Calculating the impact mechanism in dynamic coal plows.  
Nauch. trudy MGI no.21:201-214 '57. (MIRA 11:9)  
(Coal mining machinery)

Koval', Petr-Vasili'yevich; PILIMONOV, N.A., otv.red.; KOSTON'IAN,  
A.Ya., red.izd-va; NADBINSKAYA, A.A., tekhn.red.; BKKER,  
O.G., tekhn.red.

[Mining and mine-building machines] Gornoprokhodcheskie  
i stroitel'nye mashiny. Moskva, Gos.snauchno-tekhn.izd-vo  
lit-ry po gornomu delu, 1960. 423 p. (MIRA 13:10)  
(Mining machinery)

ONISHCHENKO, Pavel Nikiforovich; KOVAL', P.V., otv. red.; KOSTON'YAN,  
A.Ya., red.; MAKSINOVA, V.V., tekhn. red.

[Mining machinery] Gornoprokhodcheskie mashiny i mekhanizmy.  
Moskva, Gosgortekhizdat, 1961. 270 p. (MIRA 15:8)  
(Mining machinery)

KLORIK'YAN, S.Kh.; KOVAL', P.V.; FILIMONOV, N.A.

Study of the performance of the parts of metal struts. Nauch.  
trudy Mosk. inst. radioelek. i gor. elektromekh. no.41:102-  
108 '62. (MIRA 16:10)

KOVAL', Petr Vasil'evich

[Hydraulic and pneumatic drives. Hydrodynamic transmissions]  
Gidro- i pnevmoprivod. Gidrodinamicheskie perekachi; uchebnoe  
posobie. Moskva, Mosk. in-t radioelektroniki i gornoj elektro-  
mekhaniki, 1964. 60 p. (MIRA 18:9)

KOVAL', Petr Vasil'yevich; AL'SHITS, Ya.I., doktor tekhn. nauk,  
retsensent; BOUMENSKIY, A.G., kand. tekhn. nauk,  
retsensent; PONOMARENKO, Yu.F., kand. tekhn. nauk, otd.  
red.; HELOV, V.S., red.izd-va; LAVRENT'YEVA, L.G., tekhn.  
red.

[Hydraulic drive of mining machinery] Gidroprivod gornykh  
mashin. Moskva, Izd-vo "Nedra," 1964. 203 p.

(MIRA 17:3)

SKOROBOGATOV, Stepan Varlamovich, inzh.; KUKOL', Vladimir Veniaminovich, inzh.; KOVAL', P.V., dots., kand. tekhn. nauk, retsenzeat;

[Mining and construction machinery] Gornoprokhodcheskie i stroitel'nye mashiny. Moskva, Izd-vo "Nedra," 1964. 292 p.  
(MIRA 17:6)

TOPCHIYEV, A.V.; SOLOD, V.I.; GETOPANOV, V.N.; KOVAL', P.V.

[Calculating the efficiency of mining cutter-loaders;  
methods of calculation] Raschet proizvoditel'nosti gor-  
nykh kombainov; metodyka rascheta. Moskva, Nedra, 1965.  
66 p. (MIRA 18:5)

KULIKOV, V.O.; BORNATSKIY, I.I.; ZARUBIN, N.G.; DOROFEEV, G.A.;  
KALUZHSKIY, Ye.A.; KAZAKOV, A.A.; KOVAL', R.F.; KORNEVA, N.K.;  
TRET'YAKOV, Ye.V.; TRUNOV, Ye.A.; Prinimali uchastiye: ANDREYEV, V.L.;  
GORDIYENKO, V.V.; GRINEVICH, I.P.; GUBAR', V.F.; DOLINENKO, V.I.;  
ZHERNOVSKIY, V.S.; ZHIGALOVA, Z.I.; KOMOV, N.G.; KURAPIN, B.S.;  
OLESHKEVICH, T.I.; PRIKHOZHENKO, Ye.

Mastering the operations of 650- and 900-ton (mega - gram) capacity  
open-hearth furnaces at the Il'ich metallurgical plant. Stal' 25  
no.8:805-807 E '65. (MIRA 18:9)

1. DONNICHERMET i Zhdanovskiy metallurgicheskiy zavod imeni Il'icha.

HUSKA, A.M., promovany ekonom; KOVAL, S., dr.; KRAUS, E.

Enterprise internal units, their role and development in  
the building industry. Inz stavby 12 no.8:353-358 Ag '64.

HOVAL', Stanislaw [Kewal Stanislaw] (Vorshava)

Editor's mail. Lit. v. skhode no. 5:56-63 S-0 '61.

(NIMA 14:10)

(Mathematics--Problems, **exercises**, etc.)

KOVAL', S.P.

New materials on the biography of I.D.Cherskii. Izv.Vses.geog.ob-va  
92 no.4:377-379 Jl-Ag '60. (MIRA 13:8)  
(Cherskii, Ivan Dementevich, 1845-1892)

NOVAL, S.F.

G.N.Potanin and I.D.Cherskii, new materials. Izv.Vses.geog.ob-va  
93 no.3:250-253 My-Je '61. (MIRA 14:5)  
(Potanin, Grigorii Nikolaevich, 1835-1920)  
(Cherskii, Ivan Dement'evich, 1845-1892)

1. 35339-66 EWT(m)/EWP(w)/T/EWP(t)/ETI/EWT(k) IJP(c) JD  
ACC NM AF6011626 (N) SOURCE CODE: UR/0383/66/000/002/0035/0039  
4  
10  
B

AUTHOR: Feybisovich, L. I.; Verakin, N. I.; Larichkin, M. S.; Medovar, B. V.;  
Latash, Yu. V.; Yemel'yanenko, Yu. G.; Maksimov, I. P.; Koval', S. I.; Akulinin, M. A.

ORG: none

TITLE: Quality of heavy forgings of 36KhN1MFAR electroslag rotor steel

SOURCE: Metallurgicheskaya i gornorudnaya promyshlennost', no. 2, 1966, 35-39

TOPIC TAGS: steel forging, steel, nonmetallic inclusion, brittleness, temper brittleness

ABSTRACT: The study deals with the effect of electroslag melting on the quality of vacuum-degassed and nondegassed open-hearth steel. forgings of 36KhN1MFAR steel, obtained from electroslag ingots weighing 13 tons, have a compact structure and a homogeneous chemical composition. The content of sulfur, gas, and nonmetallic inclusions in them is considerably lower than in similar forgings from metal made the conventional way. The mechanical properties of the remelt metal are characterized by high stable values in the length and cross section of the forging both in longitudinal and diametrical directions. Electroslag melted 36KhN1MFAR steel does not possess a tendency to temper brittleness. Its null ductility transition temperature is below -70C. Orig. art. has: 5 figures and 4 tables. (b) (NT)

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003  
Cord 1/1 (b) UDC: 669-13:658.562

KOVAL', S.I.; BUGAY, F.D.

Over-all mechanization of labor-consuming operations on a 10,000  
ton capacity press. Sbir. Novo-Kram.mashinostroi.zav. no.5:15-22  
'59.

(MIRA 16:12)

KOVAL', T.

The reason why they make such good progress in their work. Sov.-  
shakht. 10 no.5:12. My '61. (MIRA 14:9)

1. Predsedatel' shakhtkoma shakhty no.6-6-bis tresta Kadiyevugol'.  
(Donets Basin--Coal mines and mining)

KOVAL', T.

New frontiers of grain farming. Vop. ekon. no.4:15-22 Ap  
'62. (MIRA 15:4)  
(Grain)

KOVAL', T.; LUCHKO, T.

The state benefits, so does labor. Sov.profsoiuzy 16 no.10:  
31-33 My '60. (MIRA 13:6)

1. Machal'nik otdela organizatsii truda zavoda imeni Stalina  
(for Koval'). 2. Predsedatel' komissii zarabotnoy platy zavkoma  
profsoyuza zavoda imeni Stalina (for Luchko).  
(Stalino--Steel industry) (Hours of labor)  
(Wages)

ALEKSEYEV, A.; ANGISHKIN, A.; BERRI, E.; BÁRABANOV, N.; BOGOMOLOV, O.;  
BRAGINSKIY, E.; IOFFI, Ya.; KOVAL', T.; KOMAKOV, D.; KUVARIN, V.;  
KUDROV, V.; LITVAKOV, P.; MUROMTSOV, M.; OBOLENSKIY, K.; POKATAYEV,  
Yu.; TOLMACHEV, A.; IATS, V., red.; KRYLOV, P., red.; KANEVSKAYA,  
T.M., red.; GERASIMOVA, Ye.S., tekhn.red.

[Economic competition between the U.S.S.R. and the U.S.A.; a criticism  
of the views of American bourgeois economists] Ekonomicheskoe srovnova-  
vanie mezhdu SSSR i SShA; kritika vuzgliadov amerikanskikh burzhuaznykh  
ekonomistov. Moskva, Gosplaniudat, 1959. 240 p. (MIRA 12:3)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskiy institut. 2. Sotrud-  
niki Nauchno-issledovatel'skogo ekonomicheskogo instituta Gosplena SSSR  
(For all except Katz, Krylov, Kanevskaya, Gerasimova)  
' (United States--Economic conditions) (Russia--Economic conditions)

KOVAL, T. A.

"Raising the Level of Soviet Grain Industry" K Novosti Pod "yemu Zernovogo  
Khozyaystva Gosplanizdat 1947 w-22515

KOVAL', Timofei Artem'evich.

The struggle against drought; from the history of Russian agronomy. Moskva, Gos. izd-vo sel'skokhoziaistvennoi lit-ry, 1948. 157 p. (49-14298)

1. Droughts. 2. Agriculture - Russia.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825510015-4

KOVALP, T. A.

28472

Uchyenije P. A. Kostycheva O borbye S. Zasukhoy. Agrobiologiya, 1949, No. 4, S. 46-61.

SO: LEVKOPIS No. 34

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825510015-4"

KOVAL', TIMOFEY ARTEM'YEVICH

SECRET

Agriculture

Teachings of P. A. Kostychev on measures against drought Moskva, 1951

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

KOVAL', T. [A.]

Socialist agriculture in the sixth five-year plan. Vop. eken.no.3:  
55-69 Mr '56. (Agricultural policy) (MIRA 9:?)

OBOLENSKIY, K.P., red.; KOV, L. T. A., red.; SULKOVSKAYA, M.A., red.; TIKHONOVA, Ye.M., red.; SOKOLOVA, N.N., tekhn. red.

[Agriculture in the U.S.S.R.] Sel'skoe khozisistvo SSSR. Moskva, Gos. izd-vo sel'skhoz. lit-ry, 1958. 583 p. (MIRA 11:12)  
(Agriculture)

SOV/26-58-12-34/44

AUTHOR: Koval', M.A., Candidate of Agricultural Sciences (Moscow)

TITLE: To Help the Horticulturist (V pomoshch' sadovodu)

PERIODICAL: Priroda, 1958, Nr 12, pp 117 - 118 (USSR)

ABSTRACT: This is a review of the 323-page book "Sadovodstvo v Voronezhskoy Oblasti" (Gardening in the Voronezh Oblast) by M.M. Ul'yanishchev and other authors, published in 1957 by the Voronezhskoye knizhnoye izdatel'stvo (Voronezh Book Publication House).

Card 1/1

KOVAL', Timofey Artamonovich; TERESHCHENKO, N.I., red.; BACHURINA, A.M.,  
tekhn.red.

[Competition between the U.S.S.R. and the U.S.A. in agriculture]  
Sorevnovanie SSSR i SShA v oblasti sel'skogo khoziaistva. Moskva,  
Gos.izd-vo sel'khoz.lit-ry, 1959. 160 p. (MIRA 13:1)  
(Agriculture)

VAL', T.

An important potential of agricultural production. Vop. ekon.  
no. 2:14-25 19'61. (MIRA 14:2)  
(Agriculture)

KOVAL', Timofey Artamonovich; PANIN, N.S., red.; GERASIMOVA, Ye.S.,  
tekhn. red.

[Grain farming in the U.S.S.R.] Zernovoe khoziaistvo SSSR.  
Moskva, Ekonomizdat, 1962. 219 p. (MIRA 15:11)  
(Grain)

KOVAL', T.A.; VIKTOROV, A.S., red.; PONOMAREVA, A.A., tekhn.  
red.

[Economic problems of agricultural development in the  
U.S.S.R.] Ekonomicheskie voprosy razvitiia sel'skogo kho-  
ziaistva SSSR. Moskva, Ekonomizdat, 1963. 446 p.  
(MIRA 16:12)  
(Agriculture—Economic aspects)

KOVAL', Timofey Artamonovich; KOSTIN, V.P., red.

[Grain production in the U.S.S.R; an economic sketch]  
Zernovoe khoziaistvo BSSR; ekonomicheskii ocherk. Izd.2.  
perer. i dop. Moskva, Ekonomika, 1965. 214 p.  
(MIRA 18:7)

KOVAL', T.F.

Regulated conditions for the delivery of hot metal. Metallurg  
no.12:25-26 D 1956. (MIRA 10:1)

1. Zamestitel' nuchal'nika laboratorii po organizatsii proizvodstva  
i truda Stalinskogo metallurgicheskogo zavoda.  
(Rolling (Metalwerk) (Stalinsk--Metallurgical plants)

KOVAL', T. F., inzhener; MURZOV, K. P., inzhener.

Ways to increase labor productivity in an open-hearth plant.  
Stal' 16 no. 3:244-247 Mr '56. (MIRA 9:7)

1. Stalinskiy metallurgicheskiy zavod imeni Stalina.  
(Open-hearth process)

Koval', T.F.

130-8-16/20

AUTHOR: Koval', T.F., Deputy Chief of the Production and Labor Organization Laboratory

TITLE: New Organisation of Work and Production in a Rolling Shop (Novaya organizatsiya truda i proizvodstva v prokatnometiznom tsekhe)

PERIODICAL: Metallurg, 1957, No.8, pp. 36 - 37 (USSR)

ABSTRACT: The author describes an improved system for labour organisation and remuneration at a plant mass-producing galvanized basins and buckets and portable beds (painted and partly nickel-plated). Under the new system there is a collective norm for each shift as a whole instead of for each individual. Work is carried out to an hourly schedule, the quantities of the various grades of each type of product made being compared with the obligations undertaken by the shift. To show the advantages of the new system the author gives some comparative productivity data and states that its adoption contributed to the transformation of a loss of about 3 million Roubles in 1955 into a profit of 155 000 Roubles in 1956.

ASSOCIATION: Stalino Metallurgical Works (Stalinskiy Metallurgicheskiy Zavod).

AVAILABLE: Library of Congress  
Card 1/1

KATSEN, Leontiy Grigor'yevich; APTEKAR', Saveliy Semenovich; KOVAL',  
Trofim Fedorovich; LEBEDINSKIY, Boris Ivanovich; SHALGANOVА,  
V.N., red.; SAMOJETOV, A.V., tekhn. red.

[A new wage system in metallurgical plants] Novaia sistema op-  
laty truda na metallurgicheskikh zavodakh. Stalino, Stalinskoe  
ohlastnoe knizhnoe izd-vo, 1959. 108 p. (MIRA 14:10)  
(Volgograd Province—Wages—Steel industry)

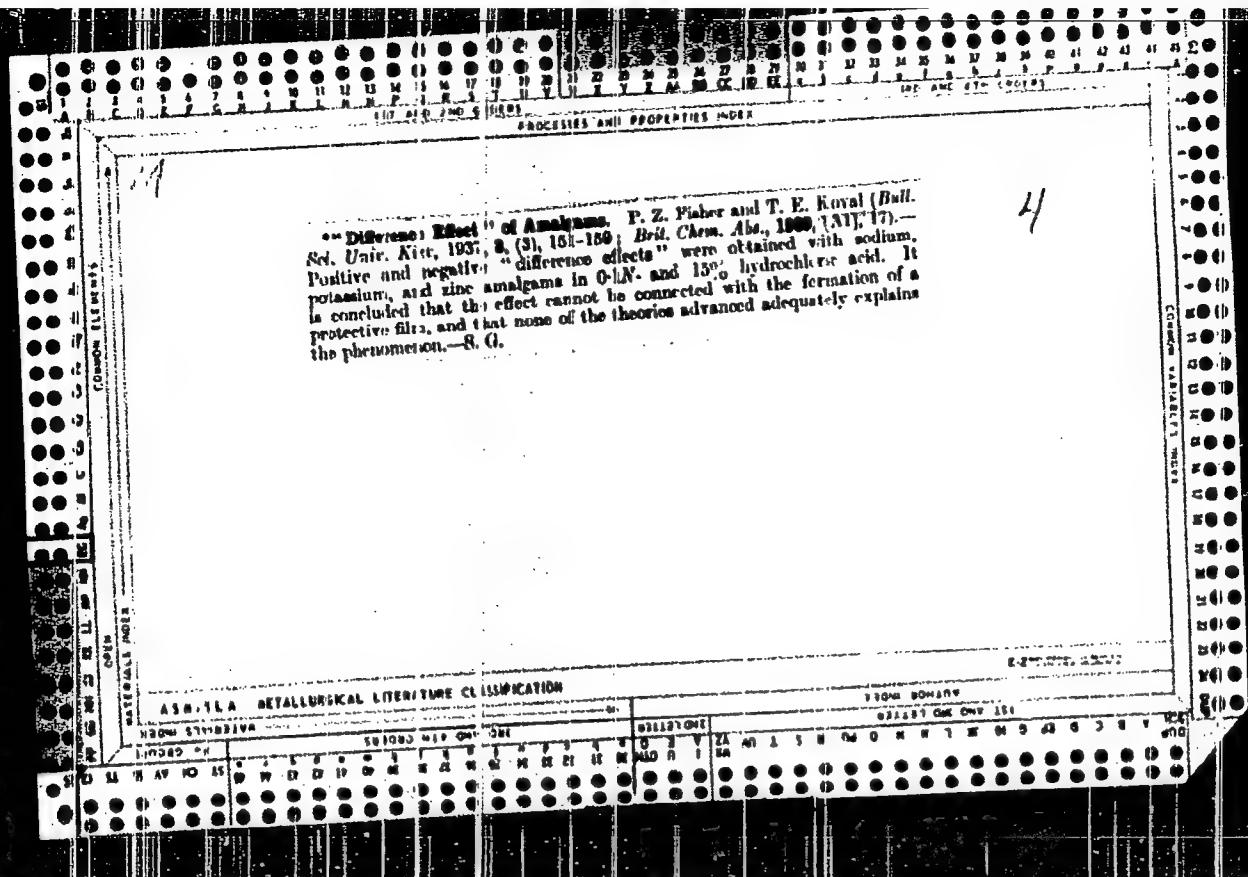
KOVAL, T. E.

KOVAL, T. E.

Spirometry as one of the methods of determination of the function of external respiration in children suffering from bronchial asthma. Pediatris, Moscow No. 6, Nov.-Dec. 50. p. 28-32

1. Of the Therapeutic Clinic (Head—Doctor Medical Sciences I. N. Berkovich), Institute of Pediatrics of the Academy of Medical Sciences (Director—Prof. G. N. Speranskiy).

GLML 20, 3, March 1951



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**Effect of nonelectrolytes on hydrogen overvoltage.** P. Z. Flisier and T. E. Koval. *Can. J. Chem. Bull. Sci. Soc. Russ. Amer.* No. 4, 121-35 (in Russian, 135; in English, 135-6) (1910).—Study was made of H overvoltage in 2 N H<sub>2</sub>SO<sub>4</sub> with Zn, Hg and Pb electrodes in the presence of mannitol, urea, sugar, acetone and glycerol at a c. d. of 1.3-4.0 ma./sq. cm. All tests were made at room temp. The overvoltage is related linearly to the log of c. d. The Zn electrode showed a large increase in overvoltage upon the addn. of the first portions of urea, etc., but no significant effect with further addns. With Hg the addn. of nonelectrolytes caused no considerable change; with Pb there was a decrease upon addns. of nonelectrolytes. Conclusion: Complex ions  $\{(\text{H}_2\text{O})_n(\text{nonelectrolyte})\}^+$  are formed. B. Z. Kamich.

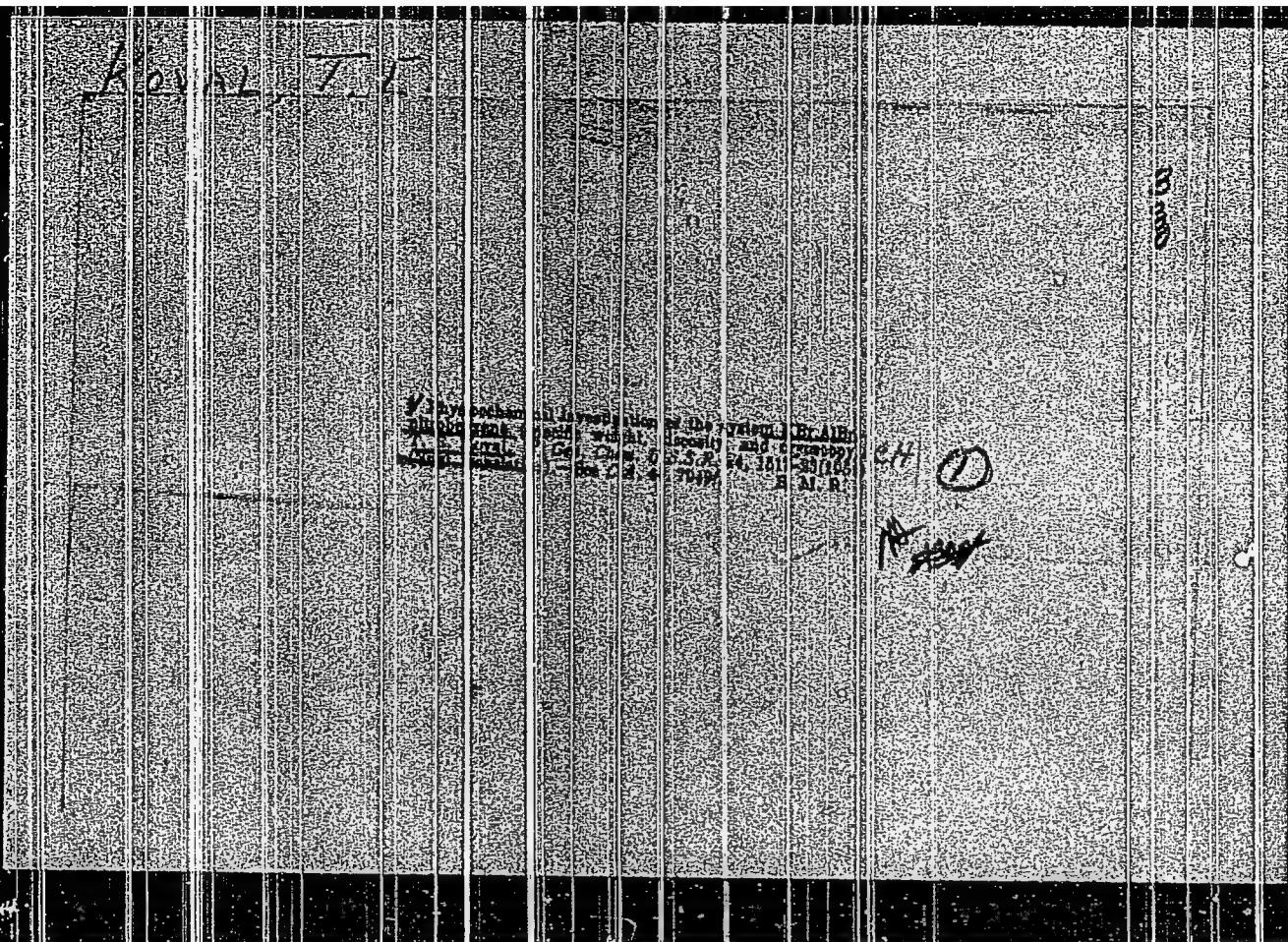
## ESB:SLA METALLURGICAL LITERATURE CLASSIFICATION

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10191, T. E.

USSR/Chemistry - Physical Chemistry

Card 1/1 : Pub. 151 - 1/42

Author : Koval', T. S.

Title : Physico-chemical investigation of the KBr · AlBr<sub>3</sub> -nitrobenzene system  
(specific weight, viscosity and cryoscopy).

Periodical : Zhur. ob. khim. 24/9, 1533-1540, Sep 1954

Abstract : The composition of the complex compounds and ions forming in the KBr · AlBr<sub>3</sub> -nitrobenzene system, is explained on the basis of determined specific weight, viscosity, cryoscopy and on the basis of data regarding the electrical conductivity, transference number of electrolysis. The two complex compounds, formed by KBr and AlBr, are described. It was established that the AlBr, in the nitrobenzene, exists in the form of dimeric (AlBr<sub>3</sub>)<sub>2</sub> molecules partially dissociated into ions. The transference numbers (total, computed for two ions, was found to be less than one. Fifteen USSR references (1883-1950). Tables; graphs.

Institution : Agricultural Institute, Zhitomir

Submitted : February 19, 1954

KOVAL', V.

In close cooperation. Voen. znan. 40 no.10:3-4 O '64.  
(MIRA 17:12)

1. Zaveduyushchiy otdelom sportivnoy i oboronne-massovoy raboty  
Tsentral'nogo komiteta Vsesoyuznogo leninskogo kommunisticheskogo  
soyuza molodezhi.

KOVAL', V., inzh.

Using precast reinforced concrete in constructing viaducts.  
Prom. stroi. i inzh. soor. 2 no. 1:44-47 Ja '60. (MIRA 14:1)  
(Precast concrete construction) (Viaducts)

К (V) 12 V

KOZLOV, F.; SHISHMANIAN, Sh.; GAGARNIKOVA, T.; KOVAL', V.

Ultra-shortwave operators on the air. Radio no.11:17 N '56.  
(MLRA 9:12)

1. Predsedatel' kerotkovolnovoy i ul'trakorotkovolnovoy sektsii  
radioclubs, Yerevan, Armeniya (for Shishmanyan).  
(Radio, Shortwave)

DASHEVSKIY, T.B.; AL'TMAN, I.A.; KOVAL', V.A.

Effect of defects in lower arms of balances on the precision of  
weighing. Izm. tekhn. no.10:28-30 O '63. (MIRA 16:12)

MIL', Solomon Isaakovich; insh.; MURAVCHIK, Naum Moiseyevich; KOVAL', Vasiliy Aleksandrovich; KASPERAVICHUS, V. [Kasperavicus, V.], spets. red.; MALITSKAS, A. [Malickas, A.], red.; SHUKARYAVICHUS, A. [Stukarevicius, A.], tekhn. red.

[Price list; a collection of uniform estimates for major repairing of residential, administrative, and cultural buildings, of communal enterprises and public edifices, based on the new scale of prices] 'Sennik; sbornik edinichnykh rastsenok na kaptal'nyi renont zhilykh, administrativnykh, kul'turno-bytovykh zdaniy, kommunal'nykh predpriyatiy i sooruzhenii gorodskogo blagoustroistva (v novom mashtabe tsen). Vil'nius, TSentr. biuro tekhn. informatsii i propagandy, 1961. 533 p.

(MIRA 15:3)

1. Lithuanian S.S.R. Valstybinis statybos ir architekturos reikalu komitetas.

(Buildings—Repair and reconstruction)

KOVAL', Viktor

Yes, the instructor is an organizer and creator. Sov.  
profsoiuzy 18 no.21:19-20 N '62. (MIRA 15:11)

1. Nestatnyy instructor Kiyevskogo oblastnogo soveta  
professional'nykh soyuzov.  
(Trade unions—Officers)

14(6)

PHASE I BOOK EXPLOITATION

SOV/1695

Koval', Viktor Afanas'yevich, and Georgiy Fedorovich Munzi

Poroshnevyye pryamodeystvuyushchiye parovyye nasosy (Direct-acting Steam-driven Piston Pumps) Kiyev, Mashgiz, 1958. 123 p. 8,500 copies printed.

Reviewer: V.F. Mozer, Doctor of Technical Sciences, Professor; Ed.: M.S. Soroka; Chief Ed. (Ukrainian Division, Mashgiz): V.K. Serdyuk, Engineer; Tech. Ed.: Ya.V. Rudenskiy.

PURPOSE: This book is intended for engineering and technical personnel.

COVERAGE: The book discusses design principles, construction, operating principles, rules for testing and operation, and methods of repairing direct-acting steam-driven piston pumps. Pump-installation piping, safety techniques in servicing pumps, pump troubles, their sources and remedies are also discussed. No personalities are mentioned. There are 10 references, all Soviet.

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AVAILABLE: Library of Congress

60/hr  
6-17-59.

Card 4/4

KOVAL' VIKTOR A.

BEZUGLYY, Andrey Mefod'yevich [БЕЗУГЛЫЙ, А.М.] doto. ;  
IVANNIKOV, Aleksey Vasil'yevich [IVANNIKOV, Oleksiy Vasill'evich],  
kand. geol. nauk.; KOVAL' Viktor Aleksandrovich [КОВАЛ', Виктор  
Олександрович], kand. geol. nauk.; SKVIRSKAYA, N.P.[SKVIRS'KA, N.P.],  
red.; KHARIK, B.V., tekhnred.

[General geology] Zashal'na geologiya. [Kyiv] Vyd-vo Kyiv's'koho  
derzh. univ. im. T.H. Shevchenka, 1958. 228 p. (MIRA 11:10)  
(Geology)